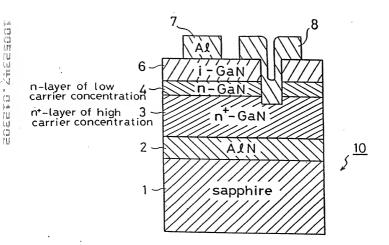
FIG.1



F16.4

FIG.3

F16.2

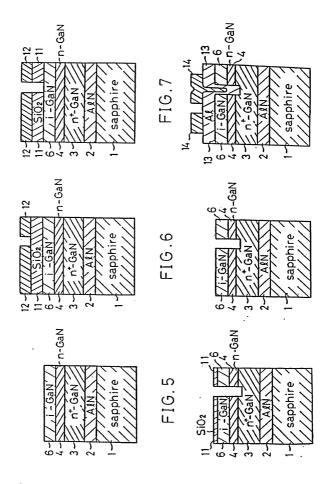


FIG. 8

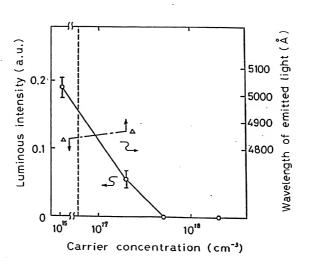


FIG. 9

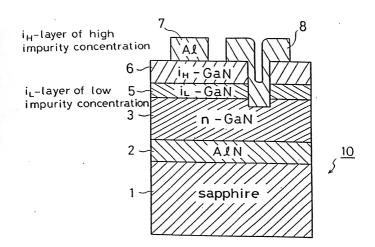


FIG.11

FIG. 10

FIG.12

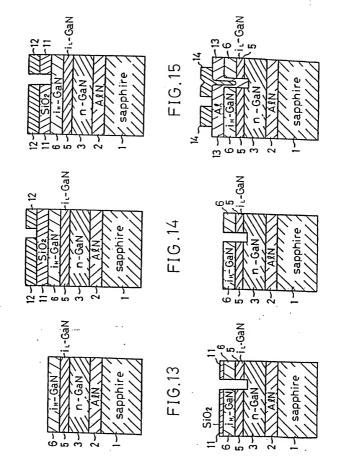


FIG. 16

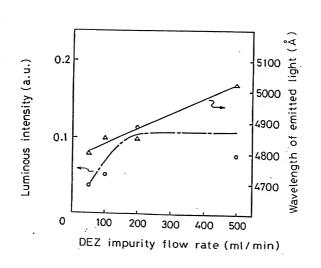
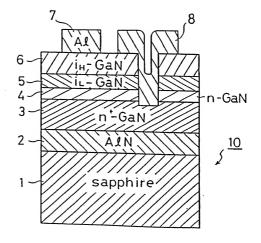
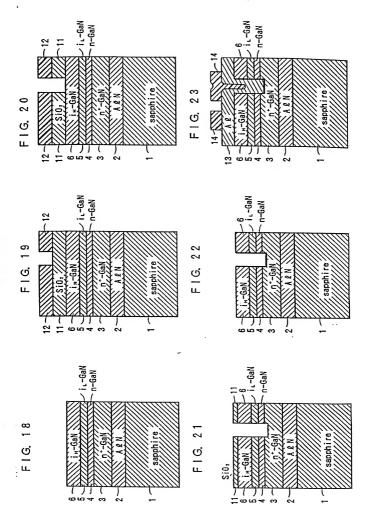
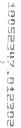


FIG. 17







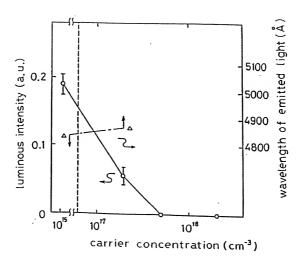
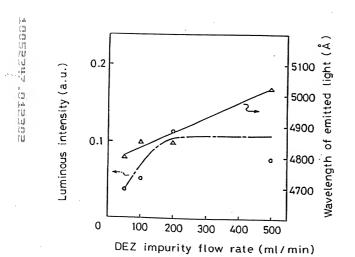
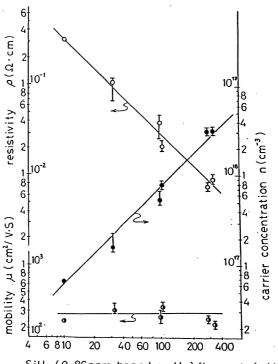


FIG. 25



• : carrier concentration

• : mobility o : resistivity



 SiH_4 (0.86ppm based on H_2) flow rate(ml/min)